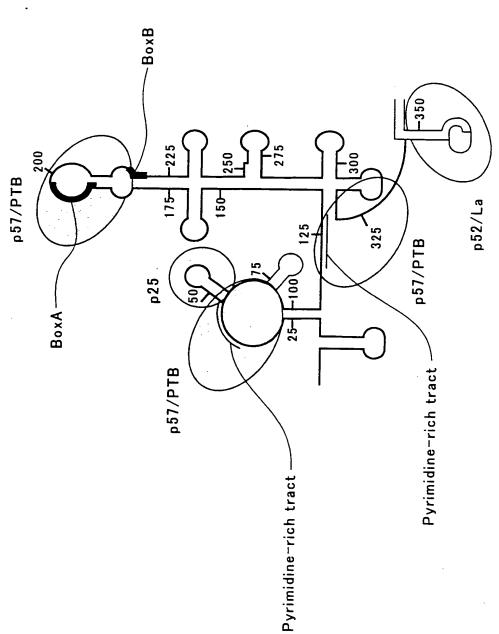
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F. 8.

\$

Title: Nucleic Acid Sequences and Methods for Enhancing Expression of Useful Gene Applicant: Yamada et al. Sheet 2 of 13 JUN 2 3 2003 SV40 SV40 Promoter HCV Promoter 1-341 fi ori luc luc Amp<sup>r</sup> Amp<sup>r</sup> pGL2C pGL2CUTR5'-3' 6046 bp 6387 bp poly(A) poly(A) signal SV40 SV40 signal Enhancer Enhancer (a) (c) HCV SV40 Promoter HCV 1-341 luc luc Amp<sup>r</sup> Amp<sup>r</sup> pGL2BUTR5'-3' pGL2CUTR3'-5' 5938 bp 6387 bp poly(A) poly(A) SV40 signal signal Enhancer

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Fig. 2

(b)

(d)

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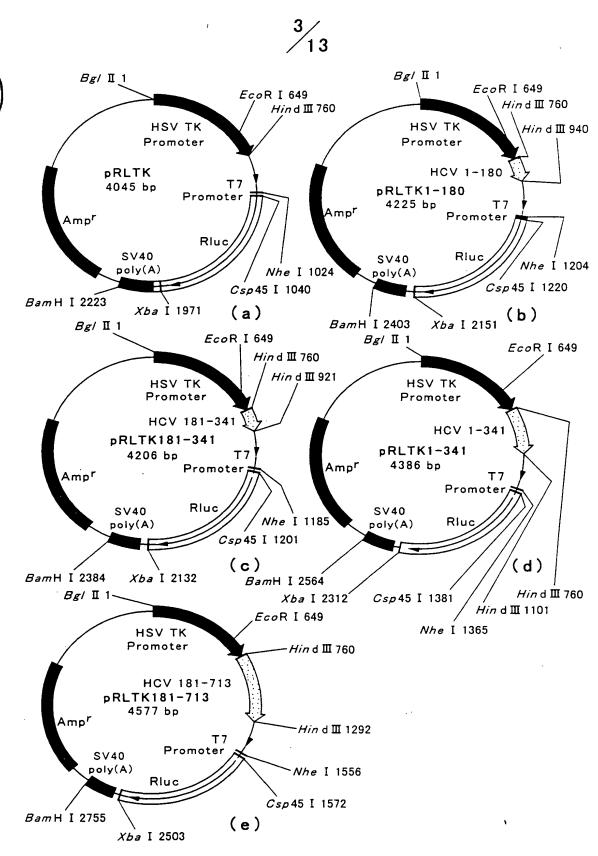


Fig. 3

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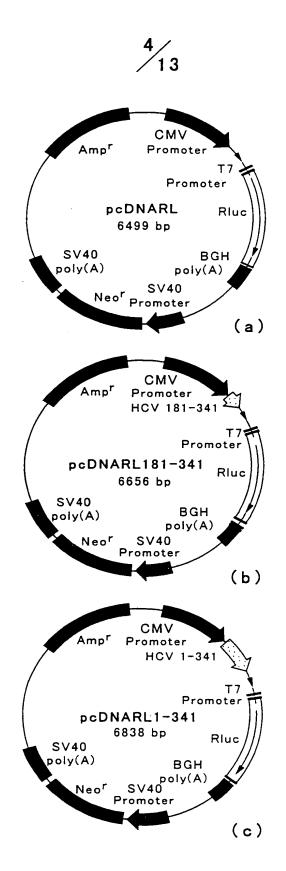
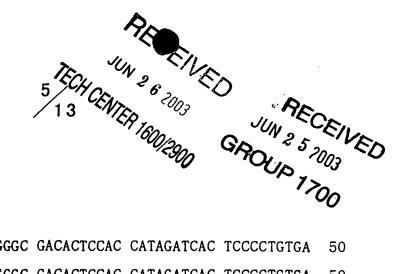


Fig. 4

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5'-UTR341 GCCAGCCCCC TGATGGGGGC GACACTCCAC CATAGATCAC TCCCCTGTGA 50	)
5' -UTR342 GCCAGCCCCC TGATGGGGGC GACACTCCAC CATAGATCAC TCCCCTGTGA 50	)
5'-UTR341 GGAACTACTG TCTTCACGCA GAAAGCGTCT AGCCATGGCG TTAGTATGAG 100	)
5'-UTR342 GGAACTACTG TCTTCACGCA GAAAGCGTCT AGCCATGGCG TTAGTATGAG 100	)
5'-UTR341 TGTCGTGCAG CCTCCAGGAC CCCCCCTCCC GGGAGAGCCA TAGTGGTCTG 150	)
5' -UTR342 TGTCGTGCAG CCTCCAGGGC CCCCCCTCCC GGGAGAGCCA TAGTGGTCTG 150	)
5'-UTR341 CGGAACCGGT GAGTACACCG GAATTGCCAG GACGACCGGG TCCTTTCTTG 200	)
5' -UTR342 CGGAACCGGT GAGTACACCG GAATTGCCAG GACGACCGGG TCCTTTCTTG 200	)
5' -UTR341 GATCAA CCC GCTCAATGCC TGGAGATTTG GGCGTGCCCC CGCGAGACTG 249	<del>)</del>
5' -UTR342 GATCAATICCC GCTCAATGCC TGGAGATTTG GGCGTGCCCC CGCGAGACTG 250	)
5' -UTR341 CTAGCCGAGT AGTGTTGGGT CGCGAAAGGC CTTGTGGTAC TGCCTGATAG 299	<del>)</del>
5' -UTR342 CTAGCCGAGT AGTGTTGGGT CGCGAAAGGC CTTGTGGTAC TGCCTGATAG 300	)
5' -UTR341 GGTGCTTGCG AGTGCCCCGG GAGGTCTCGT AGACCGTGCA CC 341	
5' -UTR <sub>342</sub> GGTGCTTGCG AGTGCCCCGG GAGGTCTCGT AGACCGTGCA CC 342	:

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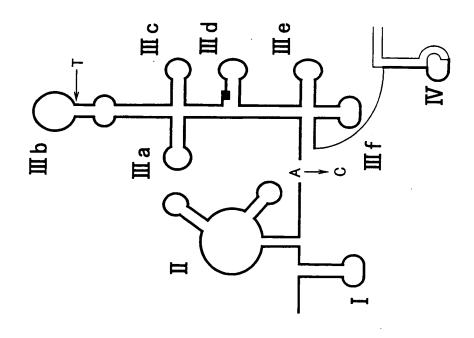


Fig. 6

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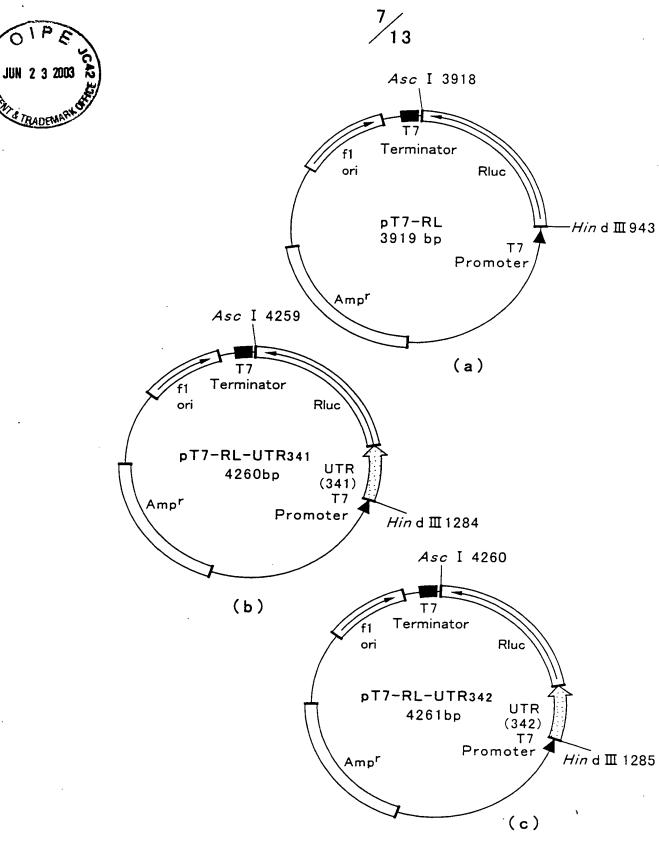


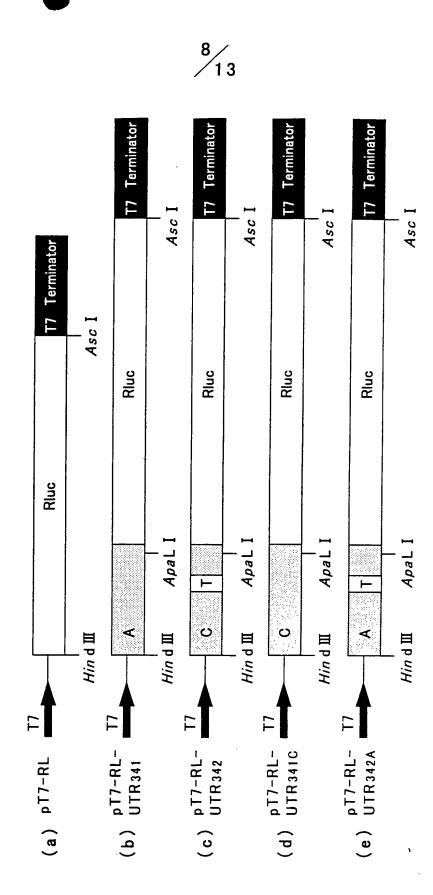
Fig. 7

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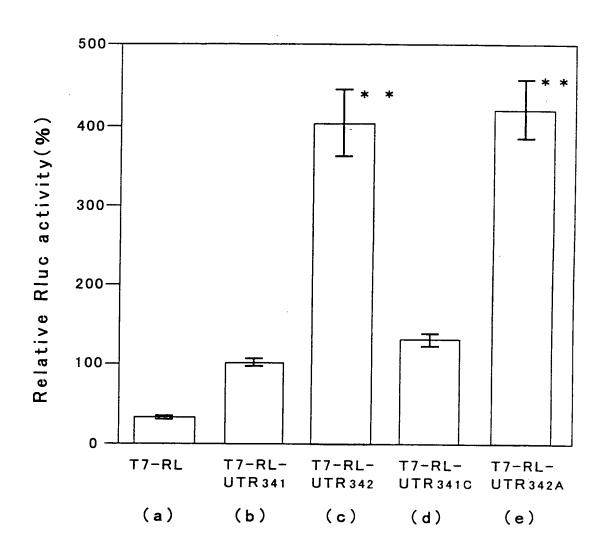


Fig. 9

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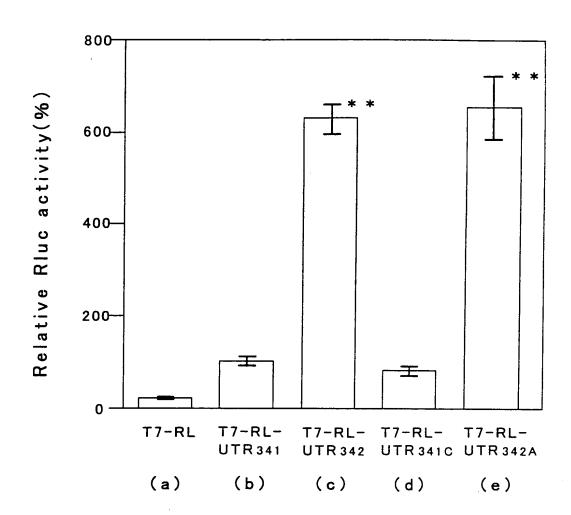


Fig. 1 0

USSN: 09/763,816 Atty. Dkt. # 19036-37 Title: Nucleic Acid Sequences and Methods for hancing Expression of Useful Gene Applicant: Yamada et al. Sheet 11 of 13 11/13 JUN 2 3 2003 Xba I SV40 polyA ori Rluc pGL3R Xba I Amp<sup>r</sup> Xba I SV40 SV40 Promoter polyA Rluc (a) ori Apa L I pGL3R-UTR<sub>341</sub> UTR (341)Amp<sup>r</sup> Hin d Ⅲ Fluc Xba I SV40 SV40 polyA Promoter Rluc ori (b) ApaL I pGL3R-UTR<sub>342</sub> UTR (342)  $Amp^r$ *Hin* d Ⅲ Fluc SV40 ( c ) Promoter

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Fig. 1 1

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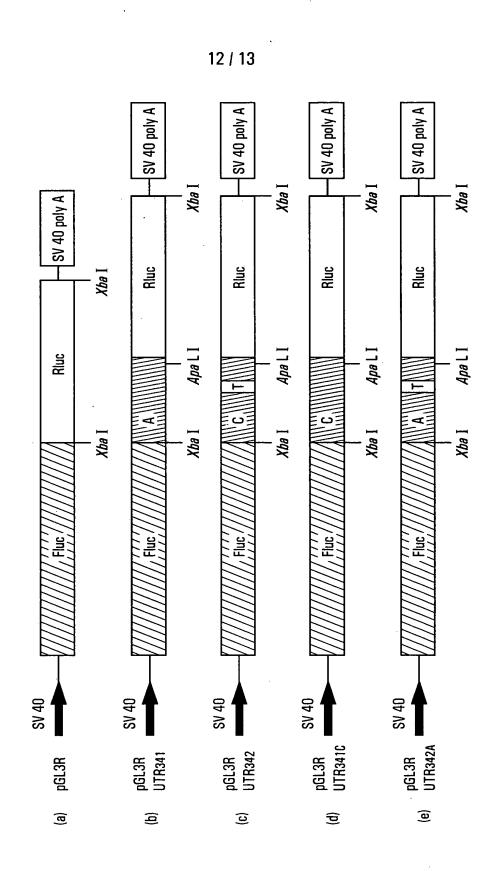


FIG. 12

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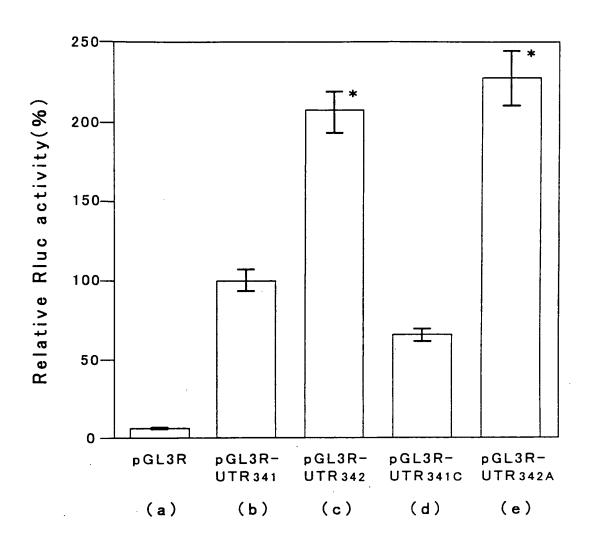


Fig. 13